| In | dex | of Cl | aims |  |
|----|-----|-------|------|--|
|    |     |       |      |  |

09/775,639

Examiner

**Gevell Selby** 

Applicant(s)/Patent under Reexamination

OGAWA, YOSHIMASA

Art Unit

2615

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral) Cancelled

Restricted

| N | Non-Elected  |
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| ı | Interference |

Appeal 0 Objected

| Cla                                    | aim      | Date              |           |  |          |          |  |  | Cla  | aim  | Date |             |          |  |  |          |              |  |          |                |                |          |
|--|----------|-------------------|-----------|--|----------|----------|--|--|--|--|------|-------------|----------|--|--|----------|--------------|--|----------|----------------|----------------|----------|
| —————————————————————————————————————— |          | Ţ,                | 1         |  |          |          | Ī  | _  |  |  |      |             |          | <del>                                     </del> |  |          |              |  |          |                | $\dashv$       |          |
| Final                                  | Original | 6346              |           |  |          |          |  |  |  |  |      | Final       | Original |  |  |          |              |  |          |                |                |          |
|  | 1        | 1                 |           |  |          |          |  |  |  |  |      |             | 51       |  |  |          |              |  |          |                |                |          |
|  | 2        | 1                 |           |  |          |          |  |  |  |  |      |             | 52       |  |  |          |              |  |          |                |                |          |
|  | 3        | _                 | <u>L</u>  |  |          |          | _  |  |  | _  |      |             | 53       |  |  |          |              |  |          |                |                | _        |
|  | 4        | Ц                 | <u> </u>  |  |          | <u> </u> |  |  | _  | _  |      |             | 54       | Ш  |  |          |              |  |          |                |                | _        |
| <u> </u>                               | 5        | Ш                 | <u> </u>  | ļ  |          | <u> </u> | _  | _  | -  | <u> </u>   |      |             | 55       | _  | -  |          |              |  |          |                | _              | _        |
|  | 6        | <b>H</b>          | ⊢         |  |          | _        | $\vdash$   | _  | <u> </u>   |  |      |             | 56       |  | -  | _        |              |  | H        |                | _              | $\dashv$ |
|  | 7        | ₩                 | ⊢         |  |          | _        | <u> </u>   | <u> </u>   | ├-   |  |      |             | 57<br>58 | $\vdash$   |  |          |              |  | -        |                |                | $\dashv$ |
|  | 8        | ╫                 | ┢         |  |          |          |  | ⊢  |  | -  |      |             | 59       | -  |  |          |              |  | -        |                | _              |          |
| <u> </u>                               | 10       | ╫                 | $\vdash$  |  |          | -        | <del>                                     </del> | ┢  | ┢  | ├  |      |             | 60       | -  |  |          |              | $\vdash$   |          | _              |                | $\dashv$ |
| <del></del>                            | 11       | ╫                 |           | ┢╌   |          | -        |  |  | -  | $\vdash$   | l    |             | 61       |  |  |          |              | -  | ┢        |                |                | H        |
| <del>-</del>                           | 12       | tt                | <u> </u>  | <del>                                     </del> | -        | t        |  | <u> </u>   | <del>                                     </del> | t  | 1    | <b></b>     | 62       |  |  |          | _            | <del>                                     </del> |          | Г              |                | $\Box$   |
|  | 13       | $\dagger \dagger$ | <u> </u>  |  |          | $\vdash$ | <del>                                     </del> |  |  | Ī  | 1    |             | 63       |  |  |          |              |  |          |                |                |          |
|  | 14       | ۲,                | 1         |  |          |          |  |  |  |  | ]    |             | 64       |  |  |          |              |  |          |                |                |          |
|  | 15       |                   |           |  |          |          |  |  | L  |  | ]    |             | 65       |  |  |          |              |  |          |                |                |          |
|  | 16<br>17 | 1                 |           |  |          |          |  | l  |  |  |      |             | 66       |  |  |          |              |  |          |                |                |          |
|  | 17       |                   |           |  |          |          |  |  |  |  |      |             | 67       |  |  |          |              | _  | <u>L</u> | _              |                |          |
|  | 18       | V                 |           |  |          |          |  |  |  |  | 1    |             | 68       |  |  |          |              | _  |          |                |                | Щ        |
|  | 19       | 1                 |           |  |          | <u> </u> | _  |  | L.   | <u> </u>   |      |             | 69       |  |  |          |              | <u>_</u>   | ļ        |                | <u> </u>       | Ш        |
|  | 20       | 11                | ↓_        |  |          | ļ        |  |  | <u> </u>   |  |      |             | 70       | _  | _  | _        | ļ            | <u> </u>   | <u> </u> | <u> </u>       |                |          |
| L                                      | 21       | 4                 | $\vdash$  |  | _        | <u> </u> | 1  | <u> </u>   | ├-   | -  | ļ    |             | 71       | ┡  | _  | <u> </u> | -            |  | ┡        | _              | _              | H        |
| <u> </u>                               | 22       | ₩.                | ╄         | ├  | <b> </b> | ├        | -  | ├  | ├  |  | ł    |             | 72       | <b>!</b>   |  | <u> </u> |              | ├  | ⊢        | -              | ├              | _        |
| <u> </u>                               | 23       | ╨                 | <u> </u>  | <del> </del>                                     | ├—       | ⊢        | ₩  | ├—   | ₩  | ┡  | ┨    |             | 73<br>74 | -  | <u> </u>   |          | -            | ⊢  | ⊢        | ├-             | -              |          |
|  | 24       | ₩                 | ┼         | ╁  |          | -        | ├  | -  | -  | ╁  | ┨    | -           | 75       | ┢╌   |  |          | -            | ⊢  | ├        | -              | ├              | H        |
|  | 25<br>26 | <b>&gt;</b>       | -         | ┢  | ├-       | ┼─       | $\vdash$   | -  | ⊢  | ┼  | 1    | $\vdash$    | 76       | ┢╾   | _  |          |              |  | ┝        |                | $\vdash$       | Н        |
|  | 27       | ~                 |           | ┼╌   | -        | ╁        | $\vdash$   | 1  | -  | ╁  | 1    | <del></del> | 77       | $\vdash$   | $\vdash$   |          | -            | -  | +-       |                | -              | H        |
|  | 28       | $\vdash$          |           | ┼─   | $\vdash$ | <u> </u> | ╁╌   | <del>                                     </del> | ╁  | $\vdash$   | 1    |             | 78       | H  | ┢  |          |              |  |          |                | -              | Н        |
| <u> </u>                               | 29       | +                 | +         | $\vdash$   | $\vdash$ | ┼        | ╁┈   | 1  | -  | <del>                                     </del> | 1    | Ė           | 79       | <del>                                     </del> | _  |          |              | ┢  | 1        |                |                | Н        |
|  | 30       | T                 | T         | $\vdash$   | -        | <u> </u> |  |  | T  |  | 1 .  |             | 80       | t  |  |          |              | Г  | 1        |                |                |          |
|  | 31       | T                 | T         |  |          |          | Т  | T  |  | T  | 1    |             | 81       |  |  |          |              |  |          |                |                | П        |
|  | 32       | 1                 | 1         |  |          |          | 1  |  | Г  |  |      |             | 82       |  |  |          | Ī.,          |  |          |                |                |          |
|  | 33       |                   | L         |  |          |          | L  |  |  |  | ]    |             | 83       |  |  |          |              |  |          |                |                |          |
|  | 34       |                   |           |  |          |          |  |  |  |  | 1    |             | 84       |  | L  | L        |              | L  |          |                |                | Ŀ        |
|  | 35       |                   |           |  |          | 匚        |  |  | $\perp$  |  | 1    |             | 85       | ļ  | L  | <u> </u> | L            |  |          | <u> </u>       | _              | Ш        |
|  | 36       | $\perp$           |           |  | L        | _        | 1  | L  | <u> </u>   | 丄  | 1    |             | 86       | ļ  | ļ  | _        |              | L  | <b> </b> | <u> </u>       | <u> </u>       | Щ        |
|  | 37       | L                 | _         | <u> </u>   | _        | _        | 1_   | _  | $\perp$  | 1  | 1    | <u> </u>    | 87       | <u> </u>   | _  | <u> </u> | _            | <u> </u>   | ↓_       | Ľ              | <u> </u>       | Щ        |
| <u></u>                                | 38       | ـ                 | 4-        | 1  | <u> </u> |          | $\vdash$   | -  | 1  | ļ  | -    | <u> </u>    | 88       | <del>-</del>                                     | -  | -        |              | $\vdash$   | $\vdash$ | ├-             | <del> </del>   | $\vdash$ |
| <u> </u>                               | 39       | -                 | $\perp$   |  | ļ        | ┼        | +  | -  | +  | ₩  | -    | <u> </u>    | 89       |  | -  | $\vdash$ | $\vdash$     | -  | $\vdash$ | ┢              | $\vdash$       | $\vdash$ |
| -                                      | 40       | ╀                 | -         | ┼  | -        | ₽        | $\vdash$   | -  | +-   | +  | 1    |             | 90       | +  | $\vdash$   | -        | $\vdash$     | $\vdash$   | +        | ⊢              | ╁              | $\vdash$ |
|  | 41       | ╁                 | +         | +-   | $\vdash$ | ╂        | +  | $\vdash$   | +  | +  | 1    |             | 91<br>92 | +-   | +-   | -        | ╁            | $\vdash$   | $\vdash$ | ╁┈             | <del>  -</del> | $\vdash$ |
|  | 42       | $\vdash$          | +         | $\vdash$   | -        | +        | $\vdash$   | $\vdash$   | ╀╌   | +  | 1    | -           | 93       | +  |  | -        | $\vdash$     | +  | +        | $\vdash$       | $\vdash$       | Н        |
| -                                      | 43       | +                 | +         | +  | $\vdash$ | +-       | +  | +  | +  | +-   | 1    | $\vdash$    | 94       | +-   | $\vdash$   | ┢        | <del> </del> | +  | +        | <del>  -</del> | 1              | Н        |
| $\vdash$                               | 45       | +                 | +         | +  | ┝        | +-       | +-   | H  | t  | +  | 1    | <u> </u>    | 95       | †  | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | T        | 1              | <u> </u>       | Н        |
| -                                      | 46       | $\dagger$         | $\dagger$ | +  | 1        | T        | T  | +  | $t^-$  | +-   | 1    |             | 96       | T  | T  | t        |              | 1  | ✝        | †              | <b>†</b>       | П        |
| <b> </b>                               | 47       | t                 | $\top$    | †  | $\vdash$ | T        | $\vdash$   | 1  | t  | T  | 1    |             | 97       | 1  | <del>                                     </del> | T        | T            | T  | 1        | Т              | T              | П        |
|  | 48       | T                 | †         | T  |          | T        | †  | †  | 1  | †  | 1    |             | 98       |  | T  | $\vdash$ | $\vdash$     | T  | 1        | T              | Т              | П        |
|  | 49       | T                 | 1         |  | T        | T        | T  |  | T  |  | 1    |             | 99       |  |  |          | Γ            | L  | L        |                |                |          |
|  | 50       | T                 |           |  |          | L        | Ι  | Γ  | Ι  |  |      |             | 100      |  | L  | L        |              |  |          |                |                |          |

| Cla  | im       |          |              |          |          | ate          | ,  |              |  |          |
|--|----------|----------|--------------|----------|----------|--------------|--|--------------|--|----------|
|  |          | Т        | П            |          |          | П            | П  | 乛            |  |          |
| Final  | Original |          |              |          |          |              |  |              |  |          |
|  | 51<br>52 |          |              |          |          | $\Box$       |  |              |  |          |
|  | 52       | _        | _            |          |          |              |  |              | _  |          |
|  | 53       | _        |              | _        |          | _            | _  | _            | _  | _        |
|  | 54<br>55 | _        |              | _        | _        |              | _  |              |  |          |
|  | 55       | _        | _            | _        | _        |              | _  |              |  |          |
|  | 56       | $\dashv$ | _            |          | $\dashv$ | $\dashv$     | $\dashv$   | _            |  |          |
|  | 57       |          |              |          |          | _            |  |              |  |          |
|  | 58       |          |              | _        | -        | $\dashv$     | $\dashv$   |              |  |          |
|  | 59<br>60 | $\dashv$ |              |          | -        |              |  | $\dashv$     |  |          |
|  | 61       | -        |              | $\dashv$ |          |              | $\neg$   |              |  |          |
| <del></del>                                      | 62       | _        |              |          |          |              |  |              |  | _        |
| <b></b> -  | 63       |          |              | $\neg$   |          |              | $\dashv$   |              |  | _        |
|  | 64       |          | $\neg$       |          |          |              |  |              |  |          |
|  | 65       |          |              |          |          |              |  |              |  |          |
|  | 66       |          |              |          |          |              |  |              |  |          |
|  | 67       |          |              |          |          |              |  |              |  | <u> </u> |
|  | 68       |          |              |          |          | <u></u>      |  |              | <u> </u>   | L        |
|  | 69       |          |              |          |          | _            | $\perp$  |              | <u> </u>   | _        |
|  | 70       |          |              |          |          | _            | Ш  |              |  | _        |
|  | 71       | -        |              |          | -        | _            |  |              | <u> </u>   | _        |
|  | 72       |          |              | _        | _        | -            |  |              |  | ┝        |
|  | 73<br>74 |          |              |          | -        |              |  |              |  | ┝        |
| <del>                                     </del> | 75       |          | _            | -        | -        |              |  | _            | <del>                                     </del> | H        |
| $\vdash$   | 76       |          |              |          |          | -            | -  |              | $\vdash$   | H        |
|  | 76<br>77 |          |              |          |          |              |  |              |  | Г        |
|  | 78       |          |              |          |          |              |  |              |  |          |
|  | 79       |          |              |          |          |              |  |              |  |          |
|  | 80       |          |              |          |          |              |  |              |  | _        |
| <u> </u>   | 81<br>82 |          |              | <u> </u> | <u> </u> | <u> </u>     |  |              | _  | L        |
| <u> </u>   | 82       | L        |              | _        | -        | <u> </u>     | <u> </u>   | <u> </u>     |  | $\vdash$ |
|  | 83       |          | -            | <u> </u> | -        | -            | -  | <u> </u>     | -  | -        |
|  | 84<br>85 | Н        |              | ┢        | -        | $\vdash$     | H  |              |  | Ť        |
| -  | 86       |          | $\vdash$     | ├-       | -        | $\vdash$     |  | <del> </del> |  | $\vdash$ |
|  | 87       |          | -            | $\vdash$ | $\vdash$ | $\vdash$     | <del>                                     </del> | -            | H  | H        |
| <b>-</b>   | 88       |          | H            | -        | $\vdash$ | _            | $\vdash$   |              | Г  | $\vdash$ |
|  | 89       |          | Г            |          |          |              |  |              | Г  | Г        |
|  | 90       |          |              |          |          |              |  |              |  |          |
|  | 91       |          |              |          |          |              |  |              |  |          |
|  | 92       | $\Box$   | L_           | <u> </u> | _        |              |  |              |  | L        |
| <u> </u>   | 93       | <u> </u> | <u> </u>     | _        | ļ        | l            | <u> </u>   | ļ            | <b> </b>   | <u> </u> |
|  | 94       | _        | _            | <u> </u> | $\vdash$ | -            | <u> </u>   | -            | ļ  | _        |
| <u> </u>   | 95       | <u> </u> | $\vdash$     | _        | -        | <del> </del> | -  | _            | -  | ┢        |
|  | 96       |          | ├            | _        | ⊢        | ├            | -  | $\vdash$     | -  | ┝        |
| <u> </u>   | 97<br>98 | -        | <del> </del> | -        | $\vdash$ | $\vdash$     | $\vdash$   | -            | $\vdash$   | ┢        |
|  | 99       | $\vdash$ | -            | -        | $\vdash$ | t            |  | -            | $\vdash$   | ╁        |
| -  | 100      |          | $\vdash$     | $\vdash$ | $\vdash$ | +-           | -  | -            | 1  | $\vdash$ |

| Cla          |  |          |          |  | Date   | •            |              |          | $\neg$         |  |
|--------------|--|----------|----------|--|--|--------------|--------------|----------|----------------|--|
|              |  |          |          |  |  |              |              |          |                | $\neg$   |
| a            | Original   |          |          |  |  |              | J            |          |                |  |
| Final        | ığı  |          |          |  |  |              |              |          |                |  |
| _            | 0  |          |          |  |  |              |              |          |                |  |
|              | 101  |          | _        | $\vdash$   |  |              |              |          |                | 一  |
|              | 101<br>102   | -        | -        | -  |  |              |              |          | $\exists$      | $\dashv$   |
|              | 102  | Н        |          |  |  | $\vdash$     | $\vdash$     |          |                | $\dashv$   |
| -            | 103  |          |          | H  |  | -            |              | _        |                | $\neg$   |
|              | 103<br>104<br>105<br>106                             | $\vdash$ | _        | ┢  |  |              |              |          | $\dashv$       | $\dashv$   |
|              | 106  | -        | _        | _  | _  |              | -            |          |                | $\dashv$   |
|              | 107  | _        | ┝        | -  | -  |              |              |          | Н              | $\dashv$   |
|              | 107  | $\vdash$ | _        |  | _  | $\vdash$     |              |          | -              |  |
|              | 100  | $\vdash$ | ┢        |  |  | $\vdash$     |              |          |                | $\dashv$   |
|              | 108<br>109<br>110                                    | $\vdash$ | ┢        |  |  |              | -            |          |                | $\dashv$   |
|              | 1111   |          | $\vdash$ | -  | -  | -            |              | -        |                | $\dashv$   |
|              | 111  | H        |          | <del>                                     </del> | -  | $\vdash$     | H            | -        | $\vdash$       | -  |
|              | 112  | -        | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     |          | -              |  |
|              | 113  | ├        | $\vdash$ |  | $\vdash$   | $\vdash$     |              | _        | -              | $\dashv$   |
|              | 112<br>113<br>114<br>115                             |          | $\vdash$ |  | -  |              |              | -        | $\vdash$       | Н  |
|              | 115  |          | -        |  |  | -            | $\vdash$     | <u> </u> | $\vdash$       | $\vdash$   |
| <b> </b>     | 117  | ├        | ├—       | -  | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$       | $\vdash$   |
| ļ            | 116<br>117<br>118                                    | ├        |          | ├  | ├  | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$       |  |
|              | 110  | ├        | ⊢        | ├  |  |              | $\vdash$     | ⊢        | -              | _  |
| <u> </u>     | 119<br>120<br>121<br>122<br>123                      | ├        | ⊢        | -  | -  |              |              | -        | -              | $\dashv$   |
| <u> </u>     | 120  | ├        | -        | ├  | $\vdash$   |              |              |          | <del> </del>   |  |
| <u> </u>     | 121  | ├        |          | $\vdash$   | -  |              |              | -        |                |  |
|              | 122  | -        | -        | $\vdash$   | -  | <u> </u>     | _            |          | -              | -  |
|              | 123  | ├        | ⊢        | ┝  |  | $\vdash$     | _            | -        | -              | $\vdash$   |
|              | 124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 | ⊢        | $\vdash$ | ⊢  | -  |              | <del> </del> | <u> </u> |                | Н  |
|              | 125  |          |          | -  |  |              | -            | _        | -              | Н  |
|              | 120  | ⊢        | ⊢        | ┼  | ├  | <del> </del> | $\vdash$     | ⊢        |                | Н  |
| <u> </u>     | 127  | ┢        | -        | ╁  | ┝  | ┢            |              | ┢┈       |                |  |
|              | 120  | -        | $\vdash$ | ⊢  | ⊢  | ╁            |              | ├-       | -              | Н  |
|              | 129  | 1        | $\vdash$ | -  | ┝  |              |              | ⊢        |                | Н  |
|              | 130  |          | ⊢        | ├  | ┝  | -            | $\vdash$     | H        |                | $\vdash$   |
|              | 131  | -        | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | ├        | <del> </del>   | H  |
|              | 132<br>133<br>134                                    | $\vdash$ | 1        | $\vdash$   |  | $\vdash$     | -            | -        | $\vdash$       | Н  |
| <u> </u>     | 133  | $\vdash$ | $\vdash$ | +-   | ┼—   | -            | -            | $\vdash$ | $\vdash$       | Н  |
|              | 134  | ┼-       | ╁╌       | +-   | -  | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$       | Н  |
| <u> </u>     | 135  | +        | ┼        | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | -        | <del>  -</del> | $\vdash$   |
|              | 130  | $\vdash$ | $\vdash$ | +  | $\vdash$   | $\vdash$     | $\vdash$     | ┼        | -              | -  |
|              | 135<br>136<br>137<br>138<br>139<br>140               | $\vdash$ | ┼        | +  | <del>                                     </del> | $\vdash$     | <del> </del> | +-       | $\vdash$       | $\vdash$   |
| <del></del>  | 130  | +-       | +        | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$ | ╁              | $\vdash$   |
|              | 140  | +        | $\vdash$ | $\vdash$   | ╁  | +            | +-           | $\vdash$ | +              | $\vdash$   |
|              | 141  | ╁        | ╁        | +-   | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$       | $\vdash$   |
| <u> </u>     | 142  | +        | +-       | ╁  | +  | $\vdash$     | $\vdash$     | $\vdash$ | H              | H  |
| <del> </del> | 143  | +        | ╁        | +-   | $\vdash$   | +            | +            | $\vdash$ | $\vdash$       | $\vdash$   |
| $\vdash$     | 144  | +        | +        | +  | +  | ╁            | $\vdash$     | $\vdash$ | $\vdash$       | -  |
| -            | 145  | +-       | +        | +  | $\vdash$   | +-           | $\vdash$     | $\vdash$ | $\vdash$       | <del>                                     </del> |
| <b>—</b>     | 146  | +        | +        | +  | $\vdash$   | ╁            | +            | +-       | 1              | $\vdash$   |
| -            | 147  | +        | +        | +-   | $\vdash$   | +-           | ╁            | +        | $\vdash$       | $\vdash$   |
| <u> </u>     |  | +-       | ╁        | +-   | $\vdash$   | ╁            | +            | $\vdash$ | +              | <del> </del>                                     |
| <u> </u>     | 148<br>149   | ╁        | ╁        | +  | ╁  | $\vdash$     | ╁            | $\vdash$ | ╁              | $\vdash$   |
| -            |  | ┼        | ╀        | +  | ╁  | ╀            | ┼            | ├        | +              | $\vdash$   |
|              | 150  |          | Ц.       | Ц.   | <u></u>  |              |              | _        | <u> </u>       | <u> </u>   |